

CONTENTS OF *SCIENTIA HORTICULTURAE*, VOLUME 37

VOL. 37 NOS. 1/2

NOVEMBER 1988

SMP: Solid matrix priming of seeds A.G. Taylor, D.E. Klein (Geneva, NY, U.S.A.) and T.H. Whitlow (Ithaca, NY, U.S.A.)	1
Genotypical differences in nitrate accumulation in shoots and roots of lettuce K. Reinink and A.H. Eenink (Wageningen, The Netherlands)	13
Effect of storage temperature on the initiation and development of garlic cloves (<i>Allium sativum</i> L.) M.A. Rahim and R. Fordham (Kent, Gt. Britain)	25
Tomato performance and incidence of tomato yellow leaf curl (TYLC) virus as affected by type of mulch M.A. Suwwan, M. Akkawi, A.M. Al-Musa and A. Mansour (Amman, Jordan)	39
Frequency and characteristics of nucellar and zygotic seedlings in 12 citrus rootstocks C. Xiang and M.L. Roose (Riverside, CA, U.S.A.)	47
Effect of soil cultivation and plant spacing on the growth and cropping of strawberry C.M. Crisp, M.G. Beech (Kent, Gt. Britain) and D. Atkinson (Aberdeen, Gt. Britain)	61
A mathematical model for predicting annual fertiliser requirements of kiwifruit vines J.G. Buwalda and G.S. Smith (Hamilton, New Zealand)	71
Nutrient dynamics of a kiwifruit ecosystem G.S. Smith, J.G. Buwalda and C.J. Clark (Hamilton, New Zealand)	87
Preparation of protoplasts from microspore tetrads of kiwifruit, <i>Actinidia deliciosa</i> (Actinidiaceae) L.G. Fraser and C.F. Harvey (Auckland, New Zealand)	111
Plantlet formation from cell suspensions of kiwifruit (<i>Actinidia chinensis</i> Planch. var. <i>chinensis</i>) K. Suezawa, N. Matsuta, M. Omura and S. Yamaki (Ibaraki, Japan)	123
Transpiration from banana leaves in the subtropics in response to diurnal and seasonal factors and high evaporative demand J.C. Robinson and J.P. Bower (Nelspruit, South Africa)	129
Growth and yield analysis of 'Robusta' banana in relation to soil water potential and nitrogen fertilization D.M. Hegde (Bangalore, India)	145
Clonal propagation, callus formation and plant regeneration of lavandin M. Panizza and F. Tognoni (Pisa, Italy)	157
Regulation of stem elongation of lilies by temperature and the effect of gibberellin N. Zieslin and M.J. Tsujita (Guelph, Ont., Canada)	165

Research Note

Rooting leafy non-etiolated avocado cuttings from gibberellin-injected trees J.G.M. Cutting and S.P. van Vuuren (Nelspruit, South Africa)	171
----------------------------------------------------------------------------------------------------------------------------------------------------	-----

VOL. 37 NO. 3

DECEMBER 1988

Introduction

K.C. Sink (East Lansing, MI, U.S.A.)	177
--------------------------------------------	-----

Vegetable Crops

Recent advances in protoplast culture of horticultural crops: vegetable crops
 S.A. Yarow (Mississauga, Ont., Canada) and T.L. Barsby (Cambridge, U.K.) 179

Fruit Crops

Protoplast culture of deciduous fruit trees
 Y. Hidano and M. Nizeki (Hirosaki, Japan) 201

Recent Advances in protoplast culture of horticultural crops: *Citrus*
 A. Vardi (Bet Dagan, Israel) and E. Galun (Rehovot, Israel) 217

Recent advances in protoplast culture of horticultural crops: small fruits
 W.R. Krul (Kingston, RI, U.S.A.) 231

Flower Crops

Recent advances in the protoplast biology of flower crops
 R.J. Griesbach (Beltsville, MD, U.S.A.) 247

Ornamental Crops

Recent advances in protoplast culture of horticultural crops: conifers
 E.G. Kirby (Newark, NJ, U.S.A.) 267

Perennials

Protoplast culture of perennials
 A.D. Krikorian, S.S. Cronauer-Mitra and M.S. Fitter Corbin (Stony Brook, NY,
 U.S.A.) 277

VOL. 37 NO. 4**JANUARY 1989**

The interaction of prechilling and ACC and the stimulation of rooting of mung bean
 cuttings and intact hypocotyls
 M. Jusaitis (Adelaide, S.A., Australia) 295

Controlled atmosphere storage of kiwifruit. Effect on fruit quality and composition
 J.E. Harman and B. McDonald (Auckland, New Zealand) 303

Use of the interaction between rootstock and old-line cultivars for dwarfing lemon trees
 Y. Levy (Negev, Israel) 317

Acceleration of abscission of citrus leaf explants by calmodulin antagonists
 S. Iwahori (Kagoshima, Japan) 325

Effects of mycorrhizal fungi on seed germination and early growth of three Japanese
 terrestrial orchids
 G. Masuhara and K. Kasuya (Tsukuba, Japan) 331

Responses of rose plants cultivar 'Sonia' and *Rosa indica major* to changes in pH and
 aeration of the root environment in hydroponic culture
 N. Zieslin and P. Snir (Rehovot, Israel) 339

Effects of 6-benzylaminopurine on the organogenesis of *Asplenium nidus* L. through in
 vitro propagation
 H. Higuchi and W. Amaki (Tokyo, Japan) 351

Calendar of Events 361

Author Index 369